Table ENG-4. - Building Site Development

Greensville County, Virginia

The information in this table indicates the dominant soil condition, but does not eliminate the need for onsite investigation. The numbers in the value column range from 0.01 to 1.00. The larger the value, the greater the potential limitation. Limiting features in this report are limited to the top 5 limitations. Additional limitations may exist.

Map Symbol and Soil Name	Pct of	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
and Son Name	Map Unit	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
1B: Abell	80	Very limited Low strength Shrink-swell	1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.99 0.10	Not limited	
Roanoke	3	Not Rated		Not Rated		Not Rated	
Fluvanna		Not Rated		Not Rated		Not Rated	
Goldston		Not Rated		Not Rated		Not Rated	
2A:							
Altavista	80	Somewhat limited Low strength Depth to saturated zone	0.22 0.19	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Depth to saturated zone	0.19
Roanoke	3	Not Rated		Not Rated		Not Rated	
State		Not Rated		Not Rated		Not Rated	
3A:							
Altavista	80	Very limited Flooding Low strength Depth to saturated zone	1.00 0.22 0.19	Very limited Depth to saturated zone Flooding Cutbanks cave	1.00 0.80 0.10	Very limited Flooding Depth to saturated zone	1.00 0.19
Roanoke	3	Not Rated		Not Rated		Not Rated	
Tarboro		Not Rated		Not Rated		Not Rated	
Wickham		Not Rated		Not Rated		Not Rated	
4B3: Appling	80	Very limited Low strength	1.00	Somewhat limited Too clayey Cutbanks cave	0.28 0.10	Not limited	
Louisburg		Not Rated		Not Rated		Not Rated	
Mattaponi		Not Rated		Not Rated		Not Rated	
Rock Outcrop		Not Rated		Not Rated		Not Rated	
4C3:							

Map Symbol and Soil Name	Pct of	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
	Map Unit	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
4C3: Appling	80	Very limited Low strength Slope	1.00 0.37	Somewhat limited Slope Too clayey Cutbanks cave	0.37 0.28 0.10	Somewhat limited Slope	0.37
Louisburg		Not Rated		Not Rated		Not Rated	
Mattaponi		Not Rated		Not Rated		Not Rated	
Rock Outcrop		Not Rated		Not Rated		Not Rated	
5B: Appling	80	Very limited Low strength	1.00	Somewhat limited Too clayey Cutbanks cave	0.28 0.10	Somewhat limited Gravel content	0.01
Louisburg		Not Rated		Not Rated		Not Rated	
Mattaponi		Not Rated		Not Rated		Not Rated	
Rock Outcrop		Not Rated		Not Rated		Not Rated	
6B:							
Appling	45	Very limited Low strength	1.00	Somewhat limited Too clayey Cutbanks cave	0.28 0.10	Somewhat limited Gravel content	0.01
Louisburg	40	Not limited		Very limited Cutbanks cave Depth to hard bedrock	1.00 1.00	Somewhat limited Gravel content Content of large stones Droughty	0.17 0.03 0.01
Helena		Not Rated		Not Rated		Not Rated	
Mattaponi		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
6C: Appling	45	Very limited Low strength Slope	1.00 0.37	Somewhat limited Slope Too clayey Cutbanks cave	0.37 0.28 0.10	Somewhat limited Slope Gravel content	0.37 0.01
Louisburg	40	Somewhat limited Slope	0.37	Very limited Cutbanks cave Depth to hard bedrock Slope	1.00 1.00 0.37	Somewhat limited Slope Gravel content Content of large stones	0.37 0.17 0.03

Map Symbol and Soil Name	Pct of	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
and Son Name	Map Unit	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
6C: Helena	•	Not Rated	•	Not Rated	•	Not Rated	•
riciena						Not Nateu	
Mattaponi		Not Rated		Not Rated		Not Rated	
7B:							
Appling	45	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Too clayey Cutbanks cave	0.28 0.10	Gravel content	0.01
Mattaponi	35	Very limited		Very limited		Somewhat limited	
		Low strength Shrink-swell	1.00 0.50	Depth to saturated zone	1.00	Depth to saturated zone	0.03
		Depth to saturated	0.03	Too clayey	0.50		
		zone		Cutbanks cave	0.10		
Abell		Not Rated		Not Rated		Not Rated	
Louisburg		Not Rated		Not Rated		Not Rated	
7C:							
Appling	45	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Slope	0.37	Slope	0.37
		Slope	0.37	Too clayey Cutbanks cave	0.28 0.10	Gravel content	0.01
Mattaponi	35	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Depth to saturated	1.00	Slope	0.37
		Shrink-swell	0.50	zone	0.50	Depth to saturated	0.03
		Slope	0.37	Too clayey Slope	0.37	zone	
Abell		Not Rated		Not Rated		Not Rated	
Louisburg		Not Rated		Not Rated		Not Rated	
8A:							
Bojac	80	Very limited		Very limited		Very limited	
		Flooding	1.00	Cutbanks cave	1.00	Flooding	1.00
				Flooding	0.80		
				Depth to saturated zone	0.15		
Roanoke	3	Not Rated		Not Rated		Not Rated	
Tarboro		Not Rated		Not Rated		Not Rated	
Wickham		Not Rated		Not Rated		Not Rated	
9A:							



Map Symbol	Pct of	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
and Soil Name	Map Unit	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
9A:	•						
Chenneby	80	Very limited		Very limited		Very limited	
		Flooding	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Depth to saturated zone	0.48	Flooding	0.80	Depth to saturated zone	0.48
		Low strength	0.22	Cutbanks cave	0.10		
Roanoke	5	Not Rated		Not Rated		Not Rated	
Riverview		Not Rated		Not Rated		Not Rated	
Tarboro		Not Rated		Not Rated		Not Rated	
10B3:							
Craven	80	Very limited		Very limited		Not limited	
		Low strength Shrink-swell	1.00 0.50	Depth to saturated zone	1.00		
		SIIIIIK-SWEII	0.50	Too clayey	0.28		
				Cutbanks cave	0.10		
Roanoke	3	Not Rated		Not Rated		Not Rated	
Appling		Not Rated		Not Rated		Not Rated	
Uchee		Not Rated		Not Rated		Not Rated	
10C3:							
Craven	80	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Depth to saturated	1.00	Slope	0.04
		Shrink-swell	0.50	zone Too clayey	0.28		
		Slope	0.04	Cutbanks cave	0.10		
Dognaka	2	Not Rated		Not Dated		Not Rated	
Roanoke	3	Not Rated		Not Rated		Not Rated	
Appling		Not Rated		Not Rated		Not Rated	
Uchee		Not Rated		Not Rated		Not Rated	
11A:							
Dothan	80	Not limited		Somewhat limited		Not limited	
				Depth to saturated	0.61		
				zone Cutbanks cave	0.10		
Craven		Not Rated		Not Rated		Not Rated	
Mattaponi		Not Rated		Not Rated		Not Rated	
Orangeburg		Not Rated		Not Rated		Not Rated	
12B:							
IZD.							

Map Symbol and Soil Name	Pct of	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
and don warne	Map Unit	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
12B: Emporia	80	Not limited		Somewhat limited Depth to saturated zone	0.73	Not limited	
Craven		Not Rated		Cutbanks cave Not Rated	0.10	Not Rated	
Uchee		Not Rated		Not Rated		Not Rated	
		Not Nated		Not Nated		Not Nated	
13A: Faceville	80	Not limited		Somewhat limited Too clayey Cutbanks cave	0.13 0.10	Not limited	
Dothan		Not Rated		Not Rated		Not Rated	
Uchee		Not Rated		Not Rated		Not Rated	
14B: Fluvanna	80	Very limited Low strength Shrink-swell	1.00 0.50	Somewhat limited Too clayey Cutbanks cave	0.50 0.10	Not limited	
Goldston		Not Rated		Not Rated		Not Rated	
Iredell		Not Rated		Not Rated		Not Rated	
Mattaponi		Not Rated		Not Rated		Not Rated	
Rock Outcrop		Not Rated		Not Rated		Not Rated	
15B3: Fluvanna	80	Very limited Low strength Shrink-swell	1.00 0.50	Somewhat limited Too clayey Cutbanks cave	0.50 0.10	Not limited	
Goldston		Not Rated		Not Rated		Not Rated	
Iredell		Not Rated		Not Rated		Not Rated	
Mattaponi		Not Rated		Not Rated		Not Rated	
15C3: Fluvanna	80	Very limited Low strength Shrink-swell Slope	1.00 0.50 0.37	Somewhat limited Too clayey Slope Cutbanks cave	0.50 0.37 0.10	Somewhat limited Slope	0.37
Goldston		Not Rated		Not Rated		Not Rated	



Map Symbol and Soil Name	Pct of	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
and Sui Name	Map Unit	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
15C3:							
Iredell		Not Rated		Not Rated		Not Rated	
Mattaponi		Not Rated		Not Rated		Not Rated	
16B3:							
Fluvanna	45	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Too clayey	0.50		
		Shrink-swell	0.50	Cutbanks cave	0.10		
Goldston	30	Somewhat limited		Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to hard bedrock	1.00	Depth to bedrock	1.00
		Depth to hard bedrock	0.79	Depth to soft bedrock	1.00	Droughty	1.00
				Cutbanks cave	0.10	Content of large stones	0.32
Iredell		Not Rated		Not Rated		Not Rated	
Mattaponi		Not Rated		Not Rated		Not Rated	
16C3:							
Fluvanna	45	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Too clayey	0.50	Slope	0.37
		Shrink-swell	0.50	Slope	0.37		
		Slope	0.37	Cutbanks cave	0.10		
Goldston	30	Somewhat limited		Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to hard bedrock	1.00	Depth to bedrock	1.00
		Depth to hard bedrock Slope	0.79 0.37	Depth to soft bedrock Slope	1.00 0.37	Droughty Slope	1.00 0.37
Iredell		Not Rated		Not Rated		Not Rated	
Mattaponi		Not Rated		Not Rated		Not Rated	
17B:							
Fluvanna	45	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Too clayey	0.50		
		Shrink-swell	0.50	Cutbanks cave	0.10		
Mattaponi	35	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Depth to saturated	1.00	Depth to saturated	0.03
		Shrink-swell	0.50	zone	0.50	zone	
		Depth to saturated zone	0.03	Too clayey Cutbanks cave	0.50 0.10		
Goldston		Not Rated		Not Rated		Not Rated	
Iredell		Not Rated		Not Rated		Not Rated	
Rock Outcrop				Not Rated			

Map Symbol and Soil Name	Pct of	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
and don Name	Map Unit	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
17C: Fluvanna	45	Very limited Low strength Shrink-swell Slope	1.00 0.50 0.37	Somewhat limited Too clayey Slope Cutbanks cave	0.50 0.37 0.10	Somewhat limited Slope	0.37
Mattaponi	35	Very limited Low strength Shrink-swell Slope	1.00 0.50 0.37	Very limited Depth to saturated zone Too clayey Slope	1.00 0.50 0.37	Somewhat limited Slope Depth to saturated zone	0.37 0.03
Goldston		Not Rated		Not Rated		Not Rated	
Iredell		Not Rated		Not Rated		Not Rated	
18B: Georgeville	80	Very limited Low strength	1.00	Somewhat limited Too clayey Cutbanks cave	0.50 0.10	Not limited	
Goldston		Not Rated		Not Rated		Not Rated	
Iredell		Not Rated		Not Rated		Not Rated	
19B3: Georgeville	80	Very limited Low strength	1.00	Somewhat limited Too clayey Cutbanks cave	0.50 0.10	Not limited	
Goldston		Not Rated		Not Rated		Not Rated	
Iredell		Not Rated		Not Rated		Not Rated	
19C3: Georgeville	80	Very limited Low strength Slope	1.00 0.37	Somewhat limited Too clayey Slope Cutbanks cave	0.50 0.37 0.10	Somewhat limited Slope	0.37
Goldston		Not Rated		Not Rated		Not Rated	
Iredell		Not Rated		Not Rated		Not Rated	
20B: Helena	80	Very limited Low strength Shrink-swell Depth to saturated zone	1.00 1.00 0.19	Very limited Depth to saturated zone Too clayey Cutbanks cave	1.00 0.28 0.10	Somewhat limited Gravel content Depth to saturated zone	0.41 0.19



Map Symbol and Soil Name	Pct of	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
and Son Name	Map Unit	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
20B: Roanoke	3	Not Rated		Not Rated		Not Rated	
	· ·						
Appling		Not Rated		Not Rated		Not Rated	
Louisburg		Not Rated		Not Rated		Not Rated	
21B: Iredell	80	Very limited Shrink-swell Low strength Depth to saturated zone	1.00 1.00 0.75	Very limited Depth to saturated zone Too clayey Cutbanks cave	1.00 0.50 0.10	Somewhat limited Depth to saturated zone	0.75
Roanoke	5	Not Rated		Not Rated		Not Rated	
Fluvanna		Not Rated		Not Rated		Not Rated	
Goldston		Not Rated		Not Rated		Not Rated	
22C3: Iredell	80	Very limited Shrink-swell Low strength Depth to saturated zone	1.00 1.00 0.75	Very limited Depth to saturated zone Too clayey Slope	1.00 0.50 0.37	Somewhat limited Depth to saturated zone Slope	0.75 0.37
Roanoke	5	Not Rated		Not Rated		Not Rated	
Fluvanna		Not Rated		Not Rated		Not Rated	
Goldston		Not Rated		Not Rated		Not Rated	
23D: Louisburg	50	Somewhat limited Slope	0.96	Very limited Cutbanks cave Slope	1.00 0.96	Somewhat limited Slope Gravel content Content of large stones	0.96 0.17 0.03
Rock Outcrop	30	Not Rated		Not Rated		Not Rated	
Appling		Not Rated		Not Rated		Not Rated	
Helena		Not Rated		Not Rated		Not Rated	
Mattaponi		Not Rated		Not Rated		Not Rated	
25B:							

Map Symbol and Soil Name	Pct of	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
and con Name	Map Unit	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
25B: Mattaponi	80	Very limited Low strength Shrink-swell Depth to saturated zone	1.00 0.50 0.03	Very limited Depth to saturated zone Too clayey Cutbanks cave	1.00 0.50 0.10	Somewhat limited Depth to saturated zone	0.03
Woodington	3	Not Rated		Not Rated		Not Rated	
Appling		Not Rated		Not Rated		Not Rated	
Uchee		Not Rated		Not Rated		Not Rated	
25C: Mattaponi	80	Very limited Low strength Shrink-swell Slope	1.00 0.50 0.37	Very limited Cutbanks cave Depth to saturated zone Too clayey	1.00 1.00 0.50	Somewhat limited Slope Droughty Depth to saturated zone	0.37 0.26 0.03
Appling		Not Rated		Not Rated		Not Rated	
Uchee		Not Rated		Not Rated		Not Rated	
26A: Orangeburg	80	Very limited Low strength	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
Dothan		Not Rated		Not Rated		Not Rated	
Mattaponi Uchee		Not Rated Not Rated		Not Rated Not Rated		Not Rated Not Rated	
27A: Peawick	80	Very limited Low strength Shrink-swell Depth to saturated zone	1.00 1.00 0.03	Very limited Depth to saturated zone Too clayey Cutbanks cave	1.00 0.28 0.10	Somewhat limited Depth to saturated zone	0.03
Roanoke	5	Not Rated		Not Rated		Not Rated	
State		Not Rated		Not Rated		Not Rated	
28B3: Peawick	80	Very limited Low strength Shrink-swell Depth to saturated zone	1.00 1.00 0.03	Very limited Depth to saturated zone Too clayey Cutbanks cave	1.00 0.28 0.10	Somewhat limited Depth to saturated zone	0.03



Map Symbol and Soil Name	Pct of	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
and con Name	Map Unit	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
28B3:					•		
Roanoke	3	Not Rated		Not Rated		Not Rated	
State		Not Rated		Not Rated		Not Rated	
28C3:							
Peawick	80	Very limited Low strength Shrink-swell Slope	1.00 1.00 0.04	Very limited Depth to saturated zone Too clayey Cutbanks cave	1.00 0.28 0.10	Somewhat limited Slope Depth to saturated zone	0.04 0.03
Roanoke	3	Not Rated		Not Rated		Not Rated	
State		Not Rated		Not Rated		Not Rated	
29:							
Pits, quarry	100	Not Rated		Not Rated		Not Rated	
30A:							
Riverview	80	Very limited Flooding Low strength	1.00 0.22	Somewhat limited Flooding Depth to saturated zone Cutbanks cave	0.80 0.61 0.10	Very limited Flooding	1.00
Roanoke	5	Not Rated		Not Rated		Not Rated	
Tarboro		Not Rated		Not Rated		Not Rated	
31A:							
Roanoke	80	Very limited Depth to saturated zone Flooding Low strength	1.00 1.00 1.00	Very limited Depth to saturated zone Flooding Too clayey	1.00 0.80 0.28	Very limited Flooding Depth to saturated zone	1.00 1.00
Altavista		Not Rated		Not Rated		Not Rated	
Appling		Not Rated		Not Rated		Not Rated	
State		Not Rated		Not Rated		Not Rated	
32A: Roanoke	80	Very limited Depth to saturated zone Flooding Low strength	1.00 1.00 1.00	Very limited Depth to saturated zone Ponding Flooding	1.00 1.00 0.80	Very limited Flooding Depth to saturated zone Ponding	1.00 1.00
Chenneby	3	Not Rated		Not Rated		Not Rated	

Map Symbol and Soil Name	Pct of	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
and John Marine	Map Unit	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
32A: Altavista		Not Rated		Not Rated		Not Rated	
33A: Slagle	80	Somewhat limited Shrink-swell Depth to saturated zone	0.50 0.03	Very limited Depth to saturated zone Cutbanks cave	1.00	Somewhat limited Depth to saturated zone	0.03
Woodington	3	Not Rated		Not Rated		Not Rated	
Mattaponi		Not Rated		Not Rated		Not Rated	
Uchee		Not Rated		Not Rated		Not Rated	
34A: State	80	Somewhat limited Low strength	0.22	Very limited Cutbanks cave Depth to saturated zone	1.00 0.15	Not limited	
Roanoke	3	Not Rated		Not Rated		Not Rated	
Altavista		Not Rated		Not Rated		Not Rated	
35A: Tarboro	80	Very limited Flooding	1.00	Very limited Cutbanks cave Flooding	1.00 0.80	Very limited Flooding Droughty	1.00 0.84
Wet Spots	3	Not Rated		Not Rated		Not Rated	
Altavista		Not Rated		Not Rated		Not Rated	
Riverview		Not Rated		Not Rated		Not Rated	
Wickham		Not Rated		Not Rated		Not Rated	
36B: Uchee	80	Not limited		Very limited Cutbanks cave Depth to saturated zone	1.00 0.47	Somewhat limited Droughty	0.15
Craven		Not Rated		Not Rated		Not Rated	
Emporia		Not Rated		Not Rated		Not Rated	
Slagle		Not Rated		Not Rated		Not Rated	
37: Udorthents	80	Not Rated		Not Rated		Not Rated	

Map Symbol and Soil Name	Pct of	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
and soil Name	Map Unit	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
37: Roanoke	3	Not Rated		Not Rated		Not Rated	
Iredell		Not Rated		Not Rated		Not Rated	
Louisburg		Not Rated		Not Rated		Not Rated	
Mattaponi		Not Rated		Not Rated		Not Rated	
Rock Outcrop		Not Rated		Not Rated		Not Rated	
Tarboro		Not Rated		Not Rated		Not Rated	
38A:							
Wickham	80	Somewhat limited Low strength	0.22	Somewhat limited Cutbanks cave	0.10	Not limited	
Roanoke	3	Not Rated		Not Rated		Not Rated	
Altavista		Not Rated		Not Rated		Not Rated	
39A:							
Wickham	80	Very limited Flooding	1.00	Very limited Cutbanks cave Flooding	1.00 0.80	Very limited Flooding	1.00
Chenneby	3	Not Rated		Not Rated		Not Rated	
Altavista		Not Rated		Not Rated		Not Rated	
Tarboro		Not Rated		Not Rated		Not Rated	
40A:							
Woodington	80	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Very limited Depth to saturated zone	1.00
Craven		Not Rated		Not Rated		Not Rated	
Slagle		Not Rated		Not Rated		Not Rated	
W:							
Water	100	Not Rated		Not Rated		Not Rated	